

RAW SEQUENCE LISTING

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Application Serial Number: 10/561,834
Source: FWO
Date Processed by STIC: 6/7/06

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IFWO

RAW SEQUENCE LISTING

DATE: 06/07/2006

PATENT APPLICATION: US/10/561,834

TIME: 08:47:51

Input Set : A:\2006-05-22 1254-0301PUS1.txt

Output Set : N:\CRF4\06072006\J561834.raw

3 <110> APPLICANT: Shigeru NAKANO

5 <120> TITLE OF INVENTION: GENE INVOLVED IN GROWTH-PROMOTING FUNCTION OF ACETIC ACID BACTERIA AND

6 USES THEREOF

8 <130> FILE REFERENCE: 1254-0301PUS1

10 <140> CURRENT APPLICATION NUMBER: US 10/561,834

11 <141> CURRENT FILING DATE: 2005-12-22

13 <150> PRIOR APPLICATION NUMBER: PCT/JP2004/008797

14 <151> PRIOR FILING DATE: 2004-06-16

16 <150> PRIOR APPLICATION NUMBER: JP 2003-183047

17 <151> PRIOR FILING DATE: 2003-06-26

19 <160> NUMBER OF SEQ ID NOS: 7

21 <210> SEQ ID NO: 1

22 <211> LENGTH: 2352

23 <212> TYPE: DNA

24 <213> ORGANISM: Gluconacetobacter entanii

26 <400> SEQUENCE: 1

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83 35 40 45
86 Lys Asn Gln Tyr Glu Asn Asn Ala Asn Thr Ala Gly Tyr Leu Asp Ala
87 50 55 60
90 Thr Asp Asn Ala Arg Leu Lys Glu Ala His Ser Arg Glu Arg Met
91 65 70 75 80
94 Glu His Gly Asp Gly Trp Thr Gly Phe Ala Thr Phe Gly Trp Gly Phe
95 85 90 95
98 Gly Asn Gly Leu Arg Ala Glu Ile Glu Gly Asp Tyr Asn Trp Ser Ala
99 100 105 110
102 Leu Thr Gly Tyr Asn Ser Val Ser Gly Ser Ala Tyr Gly Asn Asn His
103 115 120 125
106 Gln Ser Gly Lys Ser Ser Gly Ser Asp Arg Ser Tyr Gly Gly Phe Val
107 130 135 140
110 Asn Val Leu Tyr Asp Ile Asp Leu Lys Arg Leu Phe Asn Ile Asp Val
111 145 150 155 160
114 Pro Val Thr Pro Phe Val Gly Val Gly Ala Gly Tyr Leu Trp Gln Asn
115 165 170 175
118 Val Asp Ala Ser Thr Ser Val Thr Arg Tyr Leu Asn Val Arg Gln Asn
119 180 185 190
122 Gly Thr Asn Gly Ser Phe Ala Tyr Gln Gly Met Val Gly Ala Ala Tyr
123 195 200 205
126 Asp Ile Pro Gly Val Pro Gly Leu Gln Met Thr Thr Glu Tyr Arg Met
127 210 215 220
130 Ile Gly Gln Val Glu Ser Phe Ala Met Gly Asn Ile Ser Gln Thr Gly
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143          275          280          285
146 Leu Val Phe Phe Asp Trp Asp Gly Ala Val Leu Thr Asp Arg Ala Arg
147          290          295          300
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151 305          310          315          320
154 Arg Ile Glu Val Asn Gly Tyr Thr Asp Asn Thr Ser Ala His Pro Gly
155          325          330          335
158 Pro Arg Gly Glu Lys Tyr Asn Leu Gly Leu Ser Met Arg Arg Ala Asp
159          340          345          350
162 Ser Val Lys Ala Glu Leu Ile Arg Asp Gly Val Pro Ala Gly Gly Ile
163          355          360          365
166 Asp Ile His Trp Tyr Gly Glu Ala His Pro Leu Val Val Thr Gln Pro
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215	ccacggagcc	gttcgtcatg	atccgtcccg	cccagaatcg	cgccgtcacc	ctctggctgc	660
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